

| | | | | | | | | | | | | | |
|--|--|---|--|--------------------------------|--|---|--|---|--|----------------------------|--|---------------|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6 | | Manifest Document No. 05005 | | 2. Page 1 of 1 | | Information in the shaded areas is not required by Federal law. | | | | | |
| 3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124 | | | | | | A. State Manifest Document Number | | | | | | | |
| 4. Generator's Phone (206) 382-8379 | | | | | | B. State Generator's ID | | | | | | | |
| 5. Transporter 1 Company Name Philip Transportation & Remediation | | | | | | 6. US EPA ID Number C A D 0 6 3 5 4 7 9 9 6 | | | | | | | |
| 7. Transporter 2 Company Name | | | | | | 8. US EPA ID Number | | | | | | | |
| 9. Designated Facility Name and Site Address World Resources Company 8113 W. Sherman St. Tolleson, Arizona 85353-4025 | | | | | | 10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0 | | | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) | | | | | | 12. Containers | | 13. Total Quantity | | 14. Unit Wt/Vol | | 15. Waste No. | |
| a. <input checked="" type="checkbox"/> HM RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III | | | | | | 003 C E | | 0.4.1.01 | | P | | F006 | |
| b. | | | | | | | | | | | | | |
| c. | | | | | | | | | | | | | |
| d. | | | | | | | | | | | | | |
| J. Additional Descriptions for Materials Listed Above | | | | | | K. Handling Codes for Wastes Listed Above | | | | | | | |
| 15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WORK") Wear gloves & goggles M-106974 | | | | | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | | | | | |
| Printed/Typed Name GERALD A. Thompson | | | | | | Signature [Signature] | | | | Month Day Year 09/21/05 | | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | | | | | | | | | | |
| Printed/Typed Name David W Gil | | | | | | Signature [Signature] | | | | Month Day Year 09/21/05 | | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | | | | | | | | | | | | |
| Printed/Typed Name | | | | | | Signature | | | | Month Day Year | | | |
| 19. Discrepancy Indication Space | | | | | | | | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | | | | | | | | | | | | | |
| Printed/Typed Name Armando Chavez | | | | | | Signature Armando Chavez | | | | Month Day Year 09/28/05 | | | |



ORIGINAL-RETURN TO GENERATOR

AKC-0016775

WORLD RESOURCES
11:02AM 09/28/2005
GROSS 1619 lb
TARE 77 lb
NET 1542 lb

WORLD RESOURCES
11:04AM 09/28/2005
GROSS 1082 lb
TARE 77 lb
NET 1005 lb

WORLD RESOURCES
11:05AM 09/28/2005
GROSS 1401 lb
TARE 77 lb
NET 1324 lb

ACCUH 3871 lb
09/28/2005 11:06AM

1.94
Tons

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6 | Manifest Document No. 625705 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law. | |
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| 7. Transporter 2 Company Name | | 8. US EPA ID Number | | D. Transporter's Phone | | |
| 9. Designated Facility Name and Site Address World Resources Company 8113 W. Sherman St. Tolleson, Arizona 85353-4025 | | 10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0 | | E. State Transporter's ID | | |
| | | | | F. Transporter's Phone | | |
| | | | | G. State Facility's ID | | |
| | | | | H. Facility's Phone 800-972-1955 | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) | | | | 12. Containers | 13. Total Quantity | 14. Unit Wt/Vol |
| a. <input checked="" type="checkbox"/> RM RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III | | | | No. Type 203 C P | | P |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| J. Additional Descriptions for Materials Listed Above | | | | K. Handling Codes for Wastes Listed Above | | |
| 15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WORR") (Emergency call pager # 206-848-8423) Wear gloves & goggles | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | |
| Printed/Typed Name George J. Thompson | | | | Signature [Signature] | | Month Day Year 12/11/05 |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | | | |
| Printed/Typed Name [Signature] | | | | Signature [Signature] | | Month Day Year 12/12/05 |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | | | | | |
| Printed/Typed Name | | | | Signature | | Month Day Year |
| 19. Discrepancy Indication Space | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | | | | | | |
| Printed/Typed Name | | | | Signature | | Month Day Year |



WORLD RESOURCES COMPANY

ARIZONA RECYCLING FACILITY

In partnership with the environment

LDRN

LAND DISPOSAL RESTRICTION NOTICE

F006

A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, **the Generator should check** the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well--requires the retention period to be extended further in specified cases.

To: **WORLD RESOURCES COMPANY** 8113 West Sherman Street, Tolleson AZ 85353-4025
From: **COMPANY NAME:** Alaskan Copper Works **COMPANY ADDRESS:** P.O. Box 3546, Seattle, WA 98124
MANIFEST NUMBER: 05005 **DATE OF SHIPMENT:** 9/21/05

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268.
The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

| EPA Material Number | Treatability Group | CFR Reference for Treatment Standards |
|---------------------|--------------------|---------------------------------------|
| F006 | non-wastewater | 40 CFR §268.40 |

SIGNATURE: [Signature] **TITLE:** Enviro. Asst.
NAME PRINTED: GERALD Thompson **DATE:** 9-21-05

Instructions for Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN includes the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does *not* include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then *no additional entry* is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) *must be added* to the LDR Notice.

| REFERENCE INFORMATION TOXICITY CHARACTERISTIC | | APPROPRIATE ENTRY ON LDR NOTICE | | |
|--|---------------------|---------------------------------|--------------------|---------------------------------------|
| Metal | Concentration Level | EPA Material Number | Treatability Group | CFR Reference for Treatment Standards |
| ARSENIC | 5.0 mg/l | D004 | non-wastewater | 40 CFR §268.40 |
| BARIUM | 100 mg/l | D005 | non-wastewater | 40 CFR §268.40 |
| MERCURY | .02 mg/l | D009 | non-wastewater | 40 CFR §268.40 |
| SELENIUM | 1.0 mg/l | D010 | non-wastewater | 40 CFR §268.40 |

F006 GENERATORS

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:
Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN
EMERGENCY
RESPONSE

TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK (Underlined text applies directly to the material listed above)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

1. Some may burn, but none ignite readily.
2. Some may polymerize (P) explosively when heated or involved in a fire.
3. Containers may explode when heated.
4. Some may be transported hot.

HEALTH

1. Inhalation of material may be harmful.
2. Contact may cause burns to skin and eyes.
3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
4. Fire may produce irritating, corrosive and/or toxic gases.
5. Runoff from fire control may cause pollution.

PUBLIC SAFETY

1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WORB").
2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
3. Keep unauthorized personnel away.
4. Stay upwind.

PROTECTIVE CLOTHING

1. Wear positive pressure self-contained breathing apparatus (SCBA).
2. Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

1. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

FIRE

EMERGENCY RESPONSE

Small Fires

1. Dry chemical, CO₂, water spray or regular foam

Large Fires:

1. Water spray, fog or regular foam
2. Move containers from fire area if you can do it without risk.
3. Do not scatter spilled material with high pressure water streams.
4. Dike fire-control water for later disposal.

Fire Involving Tanks:

1. Cool containers with flooding quantities of water until well after fire is out.
2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
3. ALWAYS stay away from the ends of tanks

SPILL OR LEAK

1. Do not touch or walk through spilled material.
2. Stop leak if you can do it without risk.
3. Prevent dust cloud.
4. Avoid inhalation of asbestos dust.

Small Dry Spills

1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Spills

1. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills

1. Dike far ahead of liquid spill for later disposal.
2. Cover powder spill with plastic sheet or tarp to minimize spreading.
3. Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Material Safety Data Sheet

MSDS ID # AZ-10-B

F006 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, Arizona 85353-4025

Tel: 602-233-9166 Fax: 623-936-9164

January 2005 DLS

Call CHEMTREC only in the event of
emergencies during shipping that
involve a spill, leak, fire or accident
(all calls are recorded)

For Emergencies During Shipping in
the US or Canada, Day or Night,

Call: **CHEMTREC 800-424-9300**

Use CHEMTREC Company Code "WORR"

From other countries call: 703-527-3887

Section 1

Material Identification

EPA Waste Classification: F006**Generic Name:** Electroplating/Metal-Finishing Wastewater Treatment Sludge**Chemical Family:** Metallic (Hydroxide) Precipitates**Synonym:** Non-ferrous Metal Hydroxide Filter Cake**DOT Shipping Name:** RQ, Hazardous waste solid, n.o.s. (F006)**DOT Hazard Class:** 9**DOT Packing Group:** III**DOT Identification Number:** NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

Section 2

Hazardous Ingredients

| Ingredient: | CAS Number: | Content (%): | OSHA PEL (8hr TWA): | Toxicology (rat, oral): |
|-------------------|-------------|--------------|----------------------------------|-------------------------|
| Copper Hydroxide | 20427-59-2 | 0 - 30 | 1.0 mg(Cu)/m ³ (Dust) | LD-50 1,000 mg/kg |
| Nickel Hydroxide | 12054-48-7 | 0 - 15 | 1.0 mg(Ni)/m ³ (Dust) | LD-50 1,500 mg/kg |
| Calcium Hydroxide | 1305-62-0 | 0 - 15 | 15.0 mg/m ³ (Dust) | LD-50 7,340 mg/kg |
| Diatomite | 61790-53-2 | 0 - 10 | 6.0 mg/m ³ (Dust) | LD-50 Not Determined |

Section 3

Physical and Reactivity Data

Description: Solid, Clay-like, Gray/Green
to Brown, Moisture ~ 30 - 80%**Density:** 50 - 90 lbs/ft³**Incompatible Reactivity:** None Known**Specific Gravity:** 2.5 to 3.5**Vapor Pressure:** Insignificant**Solubility:** Insoluble in Water**Stability:** Avoid Contact with Acids**Boiling Point:** Above 2,600°C**Melting Point:** Above 1,800°C**pH:** 7.0 to 10.0 **Odor:** Nil**Polymerization:** Will Not Occur

Section 4

Fire and Explosion Data

Flashpoint: Nonflammable**Oxidation:** Non-oxidizing**Special Firefighting Procedures:** None**Explosive:** Non-explosive**Decomposition (Due to Fire or Explosion):** None**NFPA
Fire Diamond**

Section 5

Toxicity

Listed Carcinogen Components: Nickel**Toxicology:** See Sec. 2**Route of Entry:** Inhalation, Ingestion

Section 6

Health Effects and First Aid

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.**Ingestion:** Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.**Eyes:** Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.**Skin:** Dust may irritate skin with prolonged contact. Wash with soap and water.**Comments:** Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body systems - blood, digestive, respiratory, liver, kidneys and skin.

Section 7

Precautions for Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.**Storage:** Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.**Spills:** Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to World Resources Company at the above address.

Section 8

Control Measures




Respiratory Protection: NIOSH-MSHA approved respirators as required.**Eye Protection:** Safety glasses recommended.**Other Protective Equipment:** Coveralls are recommended, but not required.**Hand Protection:** Gloves recommended.

Section 9

Generator's Verification




This MSDS describes the material listed in the attached Manifest #: 05005**Company Name:** Alaskan Copper Works**Company Address:** P.O. Box 3546, Seattle, WA 98124**Telephone:** 206-382-8379**Date:** 9-21-05**Signature:**



| | | | |
|---|-----------------|---|-----------------|
| REQUESTED BY  | DATE 9-21-05 | APPROVED BY  | DATE 9/21/05 |
| <input type="checkbox"/> HERE FOR RETURN OF YELLOW COPY | | TO BE FILLED IN BY PURCHASING DEPT. | |
| PURPOSE OR USE | | P.O. NUMBER 191-106974 | |
| DELIVERY NEEDED BY | | VENDOR | |
| SHIP TO ADDRESS | | CONTACT | TELEPHONE NO. |
| SUGGESTED VENDOR  | | DELIVERY PROMISED | SHIP VIA |

423004 Rev. 7/96



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|--|-----------------|---|-----------------|
| REQUESTED BY  | DATE 9-21-05 | APPROVED BY  | DATE 9/21/05 |
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